

National Laboratory Training Network

Workshop-in-a-Box

Handling and Storing Chemicals Safely

Description

This CD-ROM module provides an introduction to the safe handling, transportation, storing, and disposal of chemicals in the laboratory. This Workshop-in-a-Box (WIB) is intended as a guide for persons who handle, use or store chemicals or who are associated with medical or environmental laboratories. A computer with audio and CD-ROM *capability*, and an LCD projector are required.

Objectives

At the conclusion of this program, the participants will be able to

- define the following terms as they apply to chemical safety: acute toxicity, combustible, corrosive, explosive, flammable, flash point, permissible exposure limit – (time weighted average), and teratogen;
- classify at least five chemicals as either flammable or combustible according to the National Fire Protection Agency (NFPA) classification scale printed in booklet;
- distinguish generally accepted safe laboratory practices from unsafe practices including the practices for transporting, storing, and dispensing chemicals;
- demonstrate the ability to select the appropriate personal protective equipment for specific tasks;
- state the circumstances when a chemical fume hood must be used; and
- indicate the type of information found on a material safety data sheet and in a chemical hygiene plan.

Faculty

Designate a facilitator to present the material at your workshop. The facilitator should be a person with a laboratory or education background, who is comfortable presenting material in front of a group. The facilitator must be someone who is able to answer questions about the subject matter in regard to your institutional requirements.

Continuing Education

CDC has been reviewed and approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET). CDC awards 0.4 CEUs to participants who successfully complete this program.

Register Online - Cost \$60.00 (payable to APHL)

Register online at <http://www.nltn.org/courses>. (If you have difficulty with the online registration process, please send an e-mail to mwoffice@nltn.org.) At receipt of your registration, a confirmation letter will be sent by e-mail to registered participants.

Questions

Contact the Chicago NLTN office by e-mail at mwoffice@nltn.org or telephone at 312-793-3306.



The National Laboratory Training Network is a training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).